

**EPA Task Order Activity Document**

**START 4 CONTRACT #:** EP-S7-13-06

**Activity Type:** Document Compilation and Review

**Created On:** 09/06/17

**Task:** Technical Assistance

**PO:** Debra Dorsey

**Task Monitors:** Tonya Howell

**General Task Description:** Site-wide document compilation and review of documents. This task will primarily focus on OU2 data documents including but not limited to data deliverables from PRP and EPA contractors. This task will require review of site files and collecting documents. After document review the contractor shall organize data to be provided to EPA.

**Task Codes:**

**Estimated Completion Date:** 11/15/17

**Site/Project Name:** Des Moines TCE Site

**EXT #:** 913-551-7589

**Address:** NA

**City, State, Zip:** Des Moines, IA

**Site ID No:** IAD980687933

**New Task Order:**   X  

**OR**

**Amendment to TO#:**

## **I. INTRODUCTION**

### **A. PURPOSE**

Under the authority of legislation, Presidential Directives, and promulgated regulations, EPA is responsible for protecting human health and the environment. EPA is delegated authority to undertake removal and remedial response actions.

The purpose of this Statement of Work (SOW) is for the contractor to provide EPA with technical support. For each assigned task, the contractor shall provide appropriately experienced, trained, and accredited personnel with current credentials/certifications as well as all supplies, materials, tools, and equipment necessary to complete the job.

### **SITE BACKGROUND**

The site is in south-central Des Moines on the east side of the Raccoon River. In all, the site encompasses more than 200 acres, which includes the property formerly operated by Dico, Inc. (Dico). The Dico property occupies approximately 43 acres and is the focus of this report. It is southwest of the intersection of W. Martin Luther King Jr. Parkway and SW 16<sup>th</sup> Street in Des Moines, Polk County, Iowa. The Dico property includes several buildings used for a variety of industrial operations throughout its history. Buildings remaining on the Dico property include the Production Building; Buildings 1, 2, and 3; and slab foundations remaining for the Maintenance Building and Buildings 4 and 5. A former office building is also located on the Dico property. In addition to the buildings, the Dico property includes a large area of soil contamination covered by an asphalt cap, a groundwater extraction system and air stripping tower, and a surface water feature at the south end of the site referred to as the “South Pond Area”.

For approximately 40 years, historical operations at the site have included a variety of industrial uses and operations—steel wheel manufacturing, chemical and herbicide distribution, and pesticide formulation processes.

The site is divided into four areas known as operable units or OUs:

- OU1 – groundwater TCE plume
- OU2 – originated as source soils associated with TCE groundwater contamination, but later focused on residual pesticides and metals in shallow soils
- OU3 – source area of tetrachloroethene (PCE) groundwater contamination north of the site
- OU4 – pesticides in soil and pesticides and polychlorinated biphenyls (PCB) in buildings on the southern end of the site (including the South Pond Area), and in drainage areas of the site.

The 1986 ROD addressed OU1 (EPA 1986) and included a groundwater treatment system, the 1992 ROD addressed OU3 (EPA 1992) and included groundwater monitoring, and the 1996 ROD addressed OU2 and OU4 (EPA 1996). The 1996 ROD included several response actions to address contamination at the site by cleaning building interior surfaces and encapsulating PCBs and pesticides in the building insulation and porous surfaces, and by capping contaminated surface soils. In addition, contaminated soils were removed from a drainage ditch adjacent to the east of the site and from the South Pond Area.

Manufacturing operations at the site have ended, and the only activities currently conducted on site include operation and maintenance of a groundwater extraction and treatment system, and maintenance of an asphalt cap. The site is fenced, and the property owner provides site security.

Land use in the surrounding area is changing and much of this area has been rezoned. The City of Des Moines is planning a major redevelopment project in the River Point West area east of the site. The Dico property was previously zoned for industrial use. However, on June 13, 2005, most of the Dico property was rezoned to the Central Business Mixed Use District C-3 B designation.

The 5-year review completed in April 2013 deferred the protectiveness determinations for OU4 and recommended sampling the SPA to assess ecological risks. The 2013 5-year review also identified risk to trespassers in the buildings at OU4, due to broken windows and unsecured entrances in the buildings where the encapsulation over the contaminated areas has failed, and recommended monitoring to determine the extent of exposure to trespassers. Sampling and an ecological risk assessment for the SPA was completed in October 2015, and indicated an unacceptable risk to ecological receptors due to pesticide and PCB contamination. An addendum to the 5-year review was then completed in 2016. This addendum indicated that trespassers from the indigent community were removed from the buildings at OU4 and security measures were put in place to prevent additional trespassing. The addendum

recommended continued efforts to verify that the buildings containing contamination be made inaccessible to trespassers and updating the human health risk assessment (HHRA) to assess potential human health risk. This addendum indicated that the remedy at OU4 is protective regarding contamination in the buildings, as the only activities on site relate to operation and maintenance of the pump and treat remediation system associated with OU1. The site is fenced, and the property owner provides site security.

In June 2016, Tetra Tech, Inc. (Tetra Tech) conducted an environmental characterization of buildings and foundations on site. Wipe samples were collected from building surfaces, building material samples were collected from various materials within the buildings, and concrete core samples were collected from building foundations and slabs. Consistent with historical sampling, results of the site characterization indicated the presence of pesticides, PCBs, and dioxins in several building materials across the site. Several pesticides were detected in samples of building materials and concrete, and in wipe samples collected during the sampling event.

Based on this sampling, a risk assessment addendum was prepared to aid in decision-making about removing buildings and cleaning the pond area south of the buildings. The risk assessment considered different types of people who might encounter chemicals now or in the future. The results indicated risk in the future from groundwater unless buildings are protected from underground vapors and no one is allowed to drink groundwater at the site. Treatment of chemicals in groundwater is currently occurring to remove them/lower their concentrations in order to reduce risk. Results also showed risk from chemicals in sediment and surface water at the South Pond Area to current and future workers, trespassers, or recreational users.

## **II. TECHNICAL REQUIREMENTS**

The contractor shall compile documents associated with the Des Moines TCE site and generate a data compilation report that will include a summary of all data collected at the site. Once the data is compiled, the report shall also include an EPA approved electronic version of the report.

Collection of the data may require, but is not limited to, reviewing site documents at the EPA records center and reviewing site documents from EPA staff. Additionally, the contractor may, with assistance from the site RPM (Tonya Howell), collect information from PRPs.

For estimation purposes, assume two trips to the EPA Region 7 Regional Office, lasting one full day each trip, and review of up to 400 documents.

## **III. DOCUMENTATION REQUIREMENTS**

In the course of performing tasks identified in this SOW, the contractor shall submit all analyses, options, recommendations, reports, and any other work products in draft form for review by the Contracting Officer (CO) or the Contracting Officer's Representative (COR) prior to use or distribution.

The contractor shall not publish, release, use, or disclose any work product generated under this SOW without EPA's written approval; interpret EPA policies or regulations when conducting any training, seminars, or presentations; and/or provide any legal advice or legal interpretations.

The Government will make all final regulatory, policy, and interpretative decisions resulting from contractor provided advice and assistance; and will also make all final decisions regarding compliance determinations, or the violations of an order, law, regulation, etc.

The contractor shall submit documents that demonstrate a good command and correct usage of the English language (e.g. discussion of facts flow in a coherent and organized manner); use proper grammar (noun and verb tense correspond, etc.); and are free of incomplete sentences and misspelled words.

For deliverables that contain recommendations, the contractor shall explain or rank policy; explain or rank alternative actions; describe procedures used to arrive at recommendations; summarize the substance of deliberation; report any dissenting views; and cite sources relied upon.

<b>Deliverable/Activity</b>	<b>Due Date</b>
Data Compilation Report	11/1/2017